

STATE OF ALASKA

DEPARTMENT OF FISH AND GAME

DIVISION OF HABITAT

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MEMORANDUM

TO: Jackie Timothy
SE Regional Supervisor

DATE: October 14, 2009

FILE NO: 1808

SUBJECT: Strawberry Creek
Tracking

FROM: Joe Hitselberger
Habitat Biologist

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On October 13, 2009 Habitat Biologist Katie Eaton and I walked a portion of Steam No. 111-50-10070-2004-3002 (CHp, Sp, COp, Pp, DVp), locally known as Strawberry Creek. Strawberry Creek is located in Section 12, Township 39 S., Range 64 E., Copper River Meridian, USGS Quad Map Juneau C-3 (Latitude 58.5064° N, Longitude 134.7738° W). The purpose of walking this section of Strawberry Creek was to collect data needed to update the Anadromous Waters Catalog (AWC) in this area.

Observations

Figure 1. Track of Strawberry Creek and an unnamed tributary.

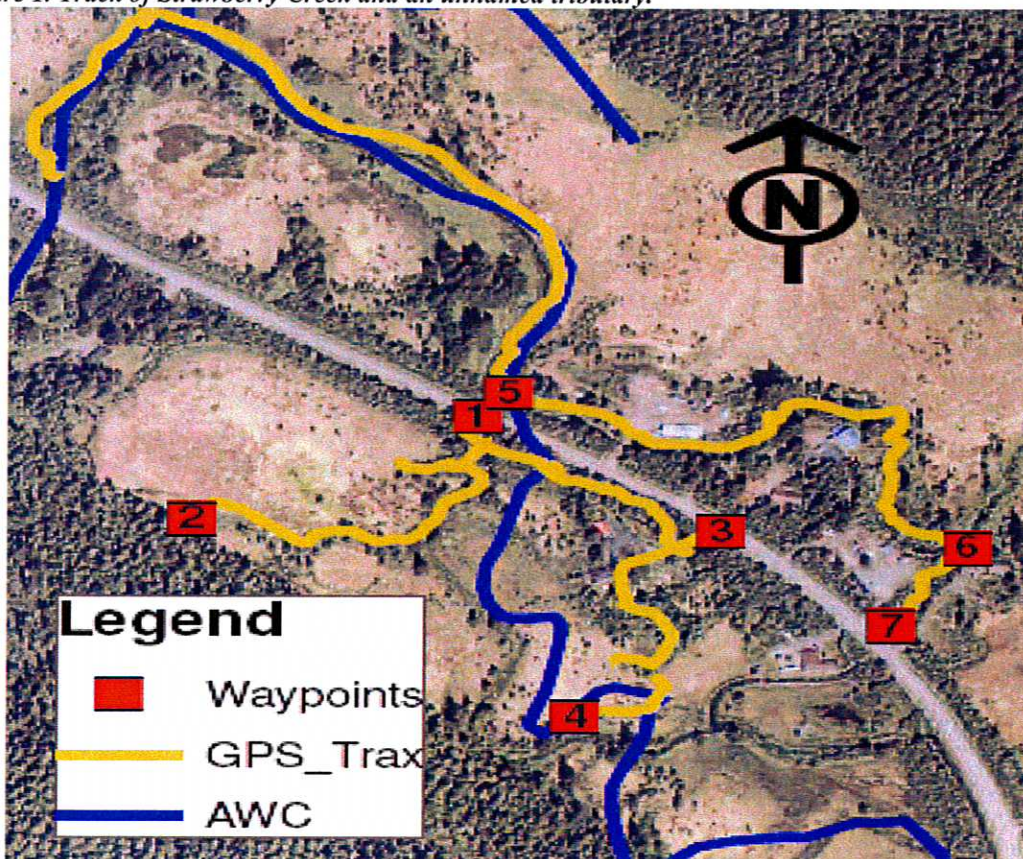


Table 1. Waypoint descriptions.

Waypoint	Description
1	(Latitude 58.5062° N, Longitude 134.7742° W) Entrance to culvert # 118 under Glacier Hwy. Connection between unnamed tributary and Strawberry Creek. Trapping location (9-24-09, 10 traps).
2	(Latitude 58.5055° N, Longitude 134.7770° W) End of fish in unnamed tributary, 5-6' waterfall flowing into tributary (fish barrier).
3	(Latitude 58.5054° N, Longitude 134.7717° W) Culvert # 117 under Glacier Hwy.
4	(Latitude 58.5040° N, Longitude 134.7732° W) Wetland area where the tributary could possibly drain into the main channel of strawberry Creek, however a defined channel connecting the wetland to Strawberry Creek does not exist.
5	(Latitude 58.5064° N, Longitude 134.7738° W) Confluence of Strawberry Creek and unnamed tributary @ exit of culvert # 118.
6	(Latitude 58.5052° N, Longitude 134.7693° W) Confluence of two tributaries to Strawberry Creek, possibly Steam No. 111-50-10070-2004-3002-4021 and Steam No. 111-50-10070-2004-3002-4021-5004.
7	(Latitude 58.5047° N, Longitude 134.7777° W) Culvert # 116, end of track.

Table 2. Fish Trapping Data @ Waypoint #1 (10 traps). Traps set on 9-23-09, pulled @ 9:00am on 9-24-09

Size (mm)	Coho (amount)	Cutthroat (amount)	Stickleback (amount)
0-60	16	0	18
60-100	17	0	0
>100	4	1	0

We located Strawberry Creek along Glacier Highway where it enters culvert # 120, we began to track upstream from this location (Figure 1., Table 1.). We tracked the main channel to the confluence of an unnamed tributary at culvert # 118 (Figure 1., Table 1. waypoint # 5). We had previously tracked this tributary (Glacier Hwy Culverts trip report 10-6-09), and Habitat Biologist Sheila Cameron trapped out of this tributary on 9-24-09 (Table 2.). This tributary flows through a muskeg wetland area via a series of natural channels and man-made ditches. The only fish barriers in this system are located at waypoint # 2 and # 4 (Figure 1.), where a waterfall and a thick vegetative wetland block fish passage.

We continued tracking the main channel of Strawberry Creek (Figure 1.). At this point (waypoint #5), the actual track of Strawberry Creek is different then what is mapped in the AWC. Waypoint # 6 (Figure 1.) indicates the confluence of Strawberry Creek and two other tributaries, possibly Steam No. 111-50-10070-2004-3002-4021 and Steam No. 111-50-10070-2004-3002-4021-5004. We then tracked the main channel of strawberry Creek to culvert # 116 (waypoint # 7).

Recommendations

The data collected will be used to submit changes to the AWC. The new track of Strawberry Creek and the unnamed tributary at culvert # 118 will be submitted to the AWC. More data will need to be collected to determine the exact location of Steam No. 111-50-10070-2004-3002-4021 and Steam No. 111-50-10070-2004-3002-4021-5004.

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